Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	0	(rate\$3 near2 chang\$5) near5 (speed\$5 (distance\$3 adj3 time\$3)) with (schedul\$5) with (wireless cellular handheld pda palmtop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:12
L5	2	((rate\$3 near2 chang\$5) near5 (speed\$5 (distance\$3 adj3 time\$3)) with schedul\$5) and (wireless cellular handheld pda palmtop)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:13
L6	60898	(determin\$5 detect\$5 monitor\$4) with (speed\$5 (distance near time\$3)) with chang\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:14
L7	1276	(determin\$5 detect\$5 monitor\$4) with (speed\$5 (distance near time\$3)) with chang\$5 with (activit\$5 action schedul\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:32
L8	680	7 and @ad<"20010503"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:33
L9	3252	(455/456.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:30
L10	0	8 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:31
L11	1	8 and "455"/\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:31

	220	(data	US-PGPUB;	OR	OFF	2007/10/18 08:35
L12	239	(determin\$5 detect\$5 monitor\$4) with (speed\$5 (distance near time\$3)) with chang\$5 with ((predifin\$5 adj3 (activit\$5 action)) schedul\$5)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OK	OFF	2007/10/16 08:35
L13	141	12 and @ad<"20010503"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:36
L14	1032	(speed\$5 (distance near time\$3)) with chang\$5 with ((predifin\$5 adj3 (activit\$5 action)) schedul\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:35
L15	6703	(709/224).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:36
L16	8021	(709/203).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:35
L17	1	14 and 16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:35
L18	607	14 and @ad<"20010503"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:36
L19	9	18 and "455"/\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:38

L20	. 11	18 and "709"/\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:36
L21	2	"7248872"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR .	OFF	2007/10/18 08:41
L22	2	"7085818"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:57
L23	2	("20020165910").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:57
L25	2	"20020165910"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 10:07
S1	4	(("6732080") or ("6847824")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:13
S2	2	("20020165910").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 08:57
S3	2	("6873851").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/16 10:20

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	"20040166879"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 10:30
L2	21	"6716101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 10:30
L4	3	"6873851"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/18 10:39

10/18/2007 10:40:27 AM Page 1

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Any change of status from a predefined activity level is immediately relayed to the IMC, where the data is interpreted to determine whether a threat exists, ... newportglobaltechnologies.com/servicesolutions.html - 12k - Cached - Similar pages

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PROACT comes with roughly 20000 predefined activity definitions including Our activity inference engine builds primarily on work on robot GPS location ... www.perkowitz.net/research/papers/proact_intel.doc - Similar pages

GVU/Events/Convocation and RRD 2004 Demos

Learning Variations of a Single Predefined-activity ... but instead a graph cut technique is used to determine the optimal patch region for any given offset ... www-static.cc.gatech.edu/gvu/events/special/convocation032504/demos.html - 140k -Cached - Similar pages

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comes with roughly 20000 predefined activity definitions, including "cleaning a bathtub" and ... that can determine the objects that are touched. Both ...

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I have a labratory calculated VO2 max, which I used to determine my personal METS ... They only seem to change if you select one of the predefined Activity ... www.suuntosports.com/discussions/forum_posts.asp?TID=35 - 48k -Cached - Similar pages

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[PDF] Real-time Travel Data Collection System

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predefined activity type list. Various activity category demarcation button 6 then

launches ARCPAD and activates its GPS tracking functions to start ...

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type and the predefined activity purposes in the evaluation area. The speed of movement is chosen from the overall speed distribution. Once a user has ...

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The audio notebook: paper and pen interaction with structured speech

Lisa Stifelman, Barry Arons, Chris Schmandt

March 2001 Proceedings of the SIGCHI conference on Human factors in computing systems CHI '01

Publisher: ACM Press

Full text available: pdf(282.15 KB)

Additional Information: full citation, abstract, references, citings, index terms, review

This paper addresses the problem that a listener experiences when attempting to capture information presented during a lecture, meeting, or interview. Listeners must divide their attention between the talker and their notetaking activity. We propose a new device-the Audio Notebook-for taking notes and interacting with a speech recording. The Audio Notebook is a combination of a digital audio recorder and paper notebook, all in one device. Audio recordings are structured using two techniques ...

Keywords: acoustic structuring, audio, paper, pen interaction, speech, speech as data, speech interfaces, user structuring

2 Transmission policies and traffic management in multimedia wireless networks Anthony Burrell, Harold P. Stern, P. Papantoni-Kazakos



May 1997 Wireless Networks, Volume 3 Issue 2

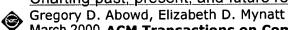
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We consider multimedia wireless networks in environments where traffic characterizations and traffic rates are generally time-varying. For such networks we propose a CDMA transmission policy, in conjunction with a moving boundaries concept induced by a traffic monitoring high-level protocol. The proposed transmission/traffic management technique is analyzed and numerically evaluated.

Charting past, present, and future research in ubiquitous computing



March 2000 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 7 Issue

Publisher: ACM Press

Full text available: pdf(730.83 KB)

Additional Information: full citation, abstract, references, citings, index terms

The proliferation of computing into the physical world promises more than the ubiquitous availability of computing infrastructure; it suggest new paradigms of interaction inspired

by constant access to information and computational capabilities. For the past decade, application-driven research on abiquitous computing (ubicomp) has pushed three interaction themes: natural interfaces, context-aware applications, and automated capture and access. To chart a cours ...

Keywords: augmented reality, capture and access, context-aware applications, evaluation, everyday computing, natural interfaces, social implications, ubiquitous computing, user interfaces

4 WAP traffic: description and comparison to WWW traffic

Thomas Kunz, Thomas Barry, James P. Black, Hugh M. Mahoney

August 2000 Proceedings of the 3rd ACM international workshop on Modeling, analysis and simulation of wireless and mobile systems MSWIM '00

Publisher: ACM Press

Full text available: pdf(818.77 KB)

Additional Information: full citation, abstract, references, citings, index terms

The characteristics of the data traffic generated by the use of micro-browser-enabled PCS phones to gain access to the Web is of particular interest to cellular network operators. Questions such as the frequency and length of browser sessions, and the specific characteristic of the traffic generated, need to be answer by researchers. These answers are valuable in network capacity planning as more subscribers use their cellular phones to interact with the Web.

5 Sending messages to mobile users in disconnected ad-hoc wireless networks

Qun Li, Daniela Rus

August 2000 Proceedings of the 6th annual international conference on Mobile computing and networking MobiCom '00

Publisher: ACM Press

Full text available: pdf(1.28 MB)

Additional Information: full citation, abstract, references, citings, index terms

An ad-hoc network is formed by a group of mobile hosts upon a wireless network interface. Previous research in this area has concentrated on routing algorithms which are designed for fully connected networks. The usual way to deal with a disconnected ad-hoc network is to let the mobile computer wait for network reconnection passively, which may lead to unacceptable transmission delays. In this paper, we propose an approach that guarantees message transmission in minimal time. In this approa ...

6 An exploratory evaluation of three interfaces for browsing large hierarchical tables of





Richard Chimera, Ben Shneiderman

October 1994 ACM Transactions on Information Systems (TOIS), Volume 12 Issue 4

Publisher: ACM Press

Full text available: pdf(1.69 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

Three different interfaces were used to browse a large (1296 items) table of contents. A fully expanded stable interface, expand/contract interface, and multipane interface were studied in a between-groups experiment with 41 novice participants. Nine timed fact retrieval tasks were performed; each task is analyzed and discussed separately. We found that both the expand/contract and multipane interfaces produced significantly faster times than the stable interface for many tasks using this I ...

Keywords: browsing, hierarchies, table of contents, user interfaces

7 Database and location management schemes for mobile communications Anna Hać, Bo Liu December 1998 IEEE/ACM Transactions on Networking (TON), Volume 6 Issue 6



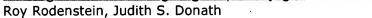
Results (page 1): +"user location" +"speed" +"activity"

Publisher: IEEE Press

Full text available: pdf(264.51 KB) Additional Information: full citation, references, index terms

Keywords: GSM, broadcast, cost, mobility management, partition, routing, switching

Talking in circles: designing a spatially-grounded audioconferencing environment



April 2000 Proceedings of the SIGCHI conference on Human factors in computing systems CHI '00

Publisher: ACM Press

Full text available: pdf(1:28 MB)

Additional Information: full citation, abstract, references, citings, index terms

This paper presents Talking in Circles, a multimodal audioconferencing environment whose novel design emphasizes spatial grounding with the aim of supporting naturalistic group interaction behaviors. Participants communicate primarily by speech and are represented as colored circles in a two-dimensional space. Behaviors such as subgroup conversations and social navigation are supported through circle mobility as mediated by the environment and the crowd and distance-based attenuation o ...

Keywords: audio, computer-mediated communication, drawing, gesture, interaction design, media space, multicast, multimodal interfaces, representation, social navigation, speech

9 Automatic personalization based on Web usage mining

Bamshad Mobasher, Robert Cooley, Jaideep Srivastava August 2000 Communications of the ACM, Volume 43 Issue 8

Publisher: ACM Press

Full text available: pdf(2.62 MB) Additional Information: full citation, references, citings, index terms html(49.24 KB)

10 Analyzing and communicating usability data: now that you have the data what do you

o? a CHI'94 workshop

Nandini P. Nayak, Debbie Mrazek, David R. Smith January 1995 ACM SIGCHI Bulletin, Volume 27 Issue 1

Publisher: ACM Press

Full text available: pdf(999.36 KB) Additional Information: full citation, abstract, citings, index terms

At the CHI '94 Workshop: "Analyzing and Communicating Usability Data", usability researchers and practitioners gathered to discuss how usability data should be collected, analyzed, and communicated to help ensure the design and development of usable products. This workshop was motivated by the challenges CHI practitioners have encountered in analyzing and communicating data despite the widespread availability of a variety of usability tools. Workshop activities included brief presentations, smal ...

11 A real-time expert system for computer network monitor and control

Barton B. Dunning, John Switlik

August 1988 ACM SIGMIS Database, Volume 19 Issue 2

Publisher: ACM Press

Full text available: pdf(385.74 KB) Additional Information: full citation, abstract, index terms

SEMACS is a continuous, real-time expert monitor and control system that actively and passively monitors a computer network. It detects and diagnoses hardware and software problems with the network and provides advice and solutions to anoperator in his domain of influence. It was developed jointly by Sperry and one of its customers during an Expert Systems Apprenticeship with the Sperry Knowledge Systems Center. The prototype system, which includes all major components of the final, operational ...

12 In recognition of the 25th anniversary of Computing Reviews: selected reviews 1960-





1984

Jean E. Sammet, Robert W. Rector

January 1985 Communications of the ACM, Volume 28 Issue 1

Publisher: ACM Press

Full text available: pdf(2.05 MB)

Additional Information: full citation, references, index terms

13 A call admission and control scheme for quality-of-service (QoS) provisioning in next generation wireless networks



S. K. Das, R. Jayaram, N. K. Kakani, Sanjoy K. Sen January 2000 Wireless Networks, Volume 6 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: pdf(201.98 KB)

Additional Information: full citation, abstract, references, citings, index

We propose a framework for quality‐of‐service (QoS) provisioning for multimedia services in next generation wireless access networks. This framework aims at providing a differentiated treatment to multimedia traffic flows at the link layer, which can be broadly classified as real‐ time (or delay‐ sensitive) and non‐ real‐ time (or delay‐ tolerant). Various novel schemes are proposed to support the differential treatment and guarant ...

14 The computer science research network CSNET: a history and status report





Douglas Comer

October 1983 Communications of the ACM, Volume 26 Issue 10

Publisher: ACM Press

Full text available: pdf(783.47 KB)

Additional Information: full citation, abstract, references, citings, index terms

In 1981, the National Science Foundation started a five-year project totaling nearly \$5 million to construct a computer science research network, CSNET, connecting all groups engaged in computer science research. For an NSF division with an annual budget of \$25 million, the award represents an unusual commitment to a single project; only a handful of such large awards have been made. What is CSNET? Why is it receiving such attention? How will it benefit the community? When will it b ...

Keywords: CSNET, TCP/IP

15 Analysis of a local-area wireless network



Diane Tang, Mary Baker

August 2000 Proceedings of the 6th annual international conference on Mobile computing and networking MobiCom '00

Publisher: ACM Press

Full text available: pdf(1.36 MB)

Additional Information: full citation, abstract, references, citings, index terms

To understand better how users take advantage of wireless networks, we examine a twelve-week trace of a building-wide local-area wireless network. We analyze the network for overall user behavior (when and how intensively people use the network and how much they move around), overall network traffic and load characteristics (observed throughput and symmetry of incoming and outgoing traffic), and traffic characteristics from a user point of view (observed mix of applications and number of ho ...

Keywords: local-area wireless networks, network analysis

A model for recentralization of computing: (distributed processing comes home)



Harold Lorin

March 1990 ACM SIGARCH Computer Architecture News, Volume 18 Issue 1

Publisher: ACM Press

Full text available: 園 pdf(1.38 MB) Additional Information: full citation, abstract, index terms

Distributed systems commonly contain heterogencity at all levels of systems structure, differentiated by function (special servers), operating systems and architecture within a single system. On the other hand, large mainframes tend to be more homogeneous in their structures, even when they are multiprocessors. This paper explores a way of using the models of heterogeneous distributed computing within a mainframe. The argument is that appropriate restructuring of the mainframe can achieve a conv ...

17 Centralized versus decentralized computing: organizational considerations and





management options

John Leslie King

December 1983 ACM Computing Surveys (CSUR), Volume 15 Issue 4

Publisher: ACM Press

Additional Information: full citation, references, citings, index terms Full text available: pdf(3.09 MB)

18 Layered transmission and caching for the multicast session directory service



Andrew Swan, Steven McCanne, Lawrence A. Rowe

September 1998 Proceedings of the sixth ACM international conference on Multimedia **MULTIMEDIA '98**

Publisher: ACM Press

Full text available: pdf(1.32 MB)

Additional Information: full citation, references, citings, index terms

19 Modeling and evaluation of prefetching policies for context-aware information



Vittoria de Nitto Personè, Vincenzo Grassi, Antonio Morlupi

October 1998 Proceedings of the 4th annual ACM/IEEE international conference on Mobile computing and networking MobiCom '98

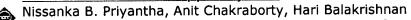
Publisher: ACM Press

Full text available: pdf(1.08 MB)

Additional Information: full citation, references, citings, index terms

Keywords: context-aware information service, mobile computing, prefetching, wireless network

20 The Cricket location-support system





Publisher: ACM Press

Additional Information: full citation, abstract, references, citings Full text available: pdf(1.22 MB)

This paper presents the design, implementation, and evaluation of Cricket, a locationsupport system for in-building, mobile, location-dependent applications. It allows applications running on mobile and static nodes to learn their physical location by using listeners that hear and analyze information from beacons spread throughout the building. Cricket is the result of several design goals, including user privacy, decentralized administrat ...

Results (page 1): +"user location" +"speed" +"activity"

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Some social implications of ubiquitous wireless networks

Marc A. Smith

April 2000 ACM SIGMOBILE Mobile Computing and Communications Review, Volume 4 Issue 2

Publisher: ACM Press

Full text available: pdf(1.41 MB)

Additional Information: full citation, abstract, citings, index terms

Wireless computer networks and the devices to communicate with them are about to become ubiquitous. A profusion of devices is likely to emerge quickly in specialized form factors, from handhelds to cheap, disposable sensors. Groups of people using these tools will gain new forms of social power, ways to organize and coordinate their interactions and exchanges just in time and just in place. Using these tools, people will be able to collectively construct a range of resources that were too diffic ...

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Special issue on knowledge representation

Ronald J. Brachman, Brian C. Smith February 1980 ACM SIGART Bulletin, Issue 70

Publisher: ACM Press

Full text available: pdf(13.13 MB) Additional Information: full citation, abstract, citings

In the fall of 1978 we decided to produce a special issue of the SIGART Newsletter devoted to a survey of current knowledge representation research. We felt that there were twe useful functions such an issue could serve. First, we hoped to elicit a clear picture of how people working in this subdiscipline understand knowledge representation research, to illuminate the issues on which current research is focused, and to catalogue what approaches and techniques are currently being developed. Secon ...

2 Charting past, present, and future research in ubiquitous computing



Gregory D. Abowd, Elizabeth D. Mynatt

March 2000 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 7 Issue

Publisher: ACM Press

Full text available: pdf(730.83 KB)

Additional Information: full citation, abstract, references, citings, index terms

The proliferation of computing into the physical world promises more than the ubiquitous availability of computing infrastructure; it suggest new paradigms of interaction inspired by constant access to information and computational capabilities. For the past decade, application-driven research on abiquitous computing (ubicomp) has pushed three interaction themes:natural interfaces, context-aware applications, and automated capture and access. To chart a cours ...

Keywords: augmented reality, capture and access, context-aware applications, evaluation, everyday computing, natural interfaces, social implications, ubiquitous computing, user interfaces

3 Design and technology for Collaborage: collaborative collages of information on



physical walls

Thomas P. Moran, Eric Saund, William Van Melle, Anuj U. Gujar, Kenneth P. Fishkin, Beverly L. Harrison

November 1999 Proceedings of the 12th annual ACM symposium on User interface software and technology UIST '99

Publisher: ACM Press

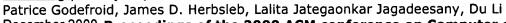
Full text available: pdf(1.28 MB)

Additional Information: full citation, abstract, references, citings, index

A Collaborage is a collaborative collage of physically represented information on a surface that is connected with electronic information, such as a physical In/Out board connected to a people-locator database. The physical surface (board) contains items that are tracked by camera and computer vision technology. Events on the board trigger electronic services. This paper motivates this concept, presents three different applications, describes the system architecture and com ...

Keywords: collaboration, physical-virtual, roomware, tangible UI

Ensuring privacy in presence awareness: an automated verification approach



December 2000 Proceedings of the 2000 ACM conference on Computer supported cooperative work CSCW '00

Publisher: ACM Press

Full text available: pdf(151.39 KB)

Additional Information: full citation, abstract, references, citings, index terms

Providing information about other users and their activites is a central function of many collaborative applications. The data that provide this "presence awareness" are usually automatically generated and highly dynamic. For example, services such as AOL Instant Messenger allow users to observe the status of one another and to initiate and participate in chat sessions. As such services become more powerful, privacy and security issues regarding access to sensitive user data become critical ...

Keywords: computer-supported cooperative work, coordination, presence awareness, privacy, security, verification

5 Energy estimation tools for the Palm

Todd L. Cignetti, Kirill Komarov, Carla Schlatter Ellis

August 2000 Proceedings of the 3rd ACM international workshop on Modeling, analysis and simulation of wireless and mobile systems MSWIM '00

Publisher: ACM Press

Additional Information: full citation, abstract, references, citings, index Full text available: pdf(1.04 MB)

Reducing the energy consumed in the use of mobile and wireless devices is becoming a major design challenge. While the problem obviously must be addressed with improved low-level technology, we have advocated also considering a higher-level view in which energy management becomes an explicit design goal of the software developer who can be more aware of the needs of applications. In support of this objective, new programming models, measurement tools, and simulation environments mus ...

6 A hierarchical fair service curve algorithm for link-sharing, real-time, and priority services

Ion Stoica, Hui Zhang, T. S. Eugene Ng

April 2000 IEEE/ACM Transactions on Networking (TON), Volume 8 Issue 2

Publisher: IEEE Press

Full text available: Toph pdf(278.75 KB) Additional Information: full citation, references, citings, index terms

Keywords: fairness, link-sharing, packet scheduling, quality of service (QoS), real-time

7 A hierarchical fair service curve algorithm for link-sharing, real-time and priority



Ion Stoica, Hui Zhang, T. S. Eugene Ng





October 1997 ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '97 conference on Applications, technologies, architectures, and protocols for computer communication SIGCOMM '97, Volume 27 Issue 4

Publisher: ACM Press

Full text available: pdf(2.35 MB)

Additional Information: full citation, abstract, references, citings, index terms

In this paper, we study hierarchical resource management models and algorithms that support both link-sharing and guaranteed real-time services with decoupled delay (priority) and bandwidth allocation. We extend the service curve based QoS model, which defines both delay and bandwidth requirements of a class, to include fairness, which is important for the integration of real-time and hierarchical link-sharing services. The resulting Fair Service Curve link-sharing model formalizes the go ...

8 The world through the computer: computer augmented interaction with real world





environments

Jun Rekimoto, Katashi Nagao

December 1995 Proceedings of the 8th annual ACM symposium on User interface and software technology UIST '95

Publisher: ACM Press

Full text available: pdf(1.12 MB)

Additional Information: full citation, references, citings, index terms

Keywords: augmented reality, barcode, computer augmented environments, palmtop computers, ubiquitous computing, user-Interface software and technology

The distributed object environment: support for a distributed object-based system



Steven Glicker, Gail Whitehead, Eric Evans

April 1992 Proceedings of the 1992 ACM/SIGAPP Symposium on Applied computing: technological challenges of the 1990's SAC '92

Publisher: ACM Press

Full text available: pdf(759.61 KB) Additional Information: full citation, references, index terms

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Charting past, present, and future research in ubiquitous computing



Gregory D. Abowd, Elizabeth D. Mynatt

March 2000 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 7 Issue

Publisher: ACM Press

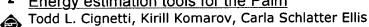
Full text available: pdf(730.83 KB)

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Keywords: augmented reality, capture and access, context-aware applications, evaluation, everyday computing, natural interfaces, social implications, ubiquitous computing, user interfaces

Energy estimation tools for the Palm





Publisher: ACM Press

Full text available: pdf(1.04 MB)

Additional Information: full citation, abstract, references, citings, index

Reducing the energy consumed in the use of mobile and wireless devices is becoming a major design challenge. While the problem obviously must be addressed with improved low-level technology, we have advocated also considering a higher-level view in which energy management becomes an explicit design goal of the software developer who can be more aware of the needs of applications. In support of this objective, new programming models, measurement tools, and simulation environments mus ...

3 The world through the computer: computer augmented interaction with real world



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Jun Rekimoto, Katashi Nagao

December 1995 Proceedings of the 8th annual ACM symposium on User interface and software technology UIST '95

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